

## DIESEL-POWERED TOW BOATS



Engine room of the George T. Horton, diesel-powered river tow boat, of the John I. Hay Co., Chicago, which can tow 200 freight cars up stream. Left front, Viking two-way lube oil pump.

### Rely Upon VIKING ROTARY PUMPS



Vital lubricating oil is delivered to bearings of two diesel engines with Viking automatic reversing lube oil pumps, whether tow boat moves forward or in reverse. The pumps derive power from crankshafts of engines and operate in both directions. This exacting job requires dependable pumps and Vikings deliver satisfaction.



Your pumping problem may call for the Viking rotary pumping principle—"a gear within a gear" and only two moving parts. For descriptive bulletin 93SW write

**VIKING PUMP COMPANY**  
Cedar Falls, Iowa

THE ORIGINAL "GEAR-WITHIN-A-GEAR" ROTARY PUMP

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## More POWER NEWS

### 17 Years of Sea Water Testing

The corrosion testing station at Kure Beach, near Wilmington, N. C., established by The International Corrosion Co. in 1935 for the immediate purpose of comparing sea water corrosion resistance of low alloy steels with steel. Soon other materials were added to the program so that extensive comparative tests were being made on kinds of ferrous and non-ferrous metals and alloys.

In 1940, facilities for exposure of specimens to atmospheric attack were added. The atmospheric test lot is one area and has room for 40 racks, which will support from 700 specimens. At the present time, the number of specimens exposed to atmospheric tests is over 20,000.

The number of specimens exposed in sea water is over 2,000 during the past 15 years, the longest tested has been over 15,000. This testing has been essentially an operative effort, involving into the hands of producers and users of materials.

In the sea water tests, most specimens are exposed on racks continuously immersed at a depth of from 3 to 6 feet. Facilities have been provided for hanging specimens from a large wooden float when it is necessary to maintain a constant water line or a constant depth of immersion in spite of the rise and fall of the water with the tide.

The period of exposure of specimens may vary from 6 months to several years—the longest being 12 years.

Inco's industrial motion picture, "Corrosion in Action," was filmed primarily at Kure Beach and Harbor Island. The film is available on request for loan before technical, industrial, educational groups by writing the company at 67 Wall St., New York 5, N. Y.

The General Electric Co. supplied 82,500 kw turbine-generator units, eleven power transformers in the ultra-high voltage section of the eastern Bokaro steam plant located 200 miles northwest of Calcutta, India, which was dedicated by Prime Minister Jawahar Nehru February 21.

The Bokaro steam plant is located in Damodar Valley, the middle of India's coal stowage. Three fourths of the country's coal deposits are located there. The plant will use pulverized coal as fuel. Iron ore and bauxite are also mined in the area. The new plant will eventually supply power for smelters and other industrial plants.

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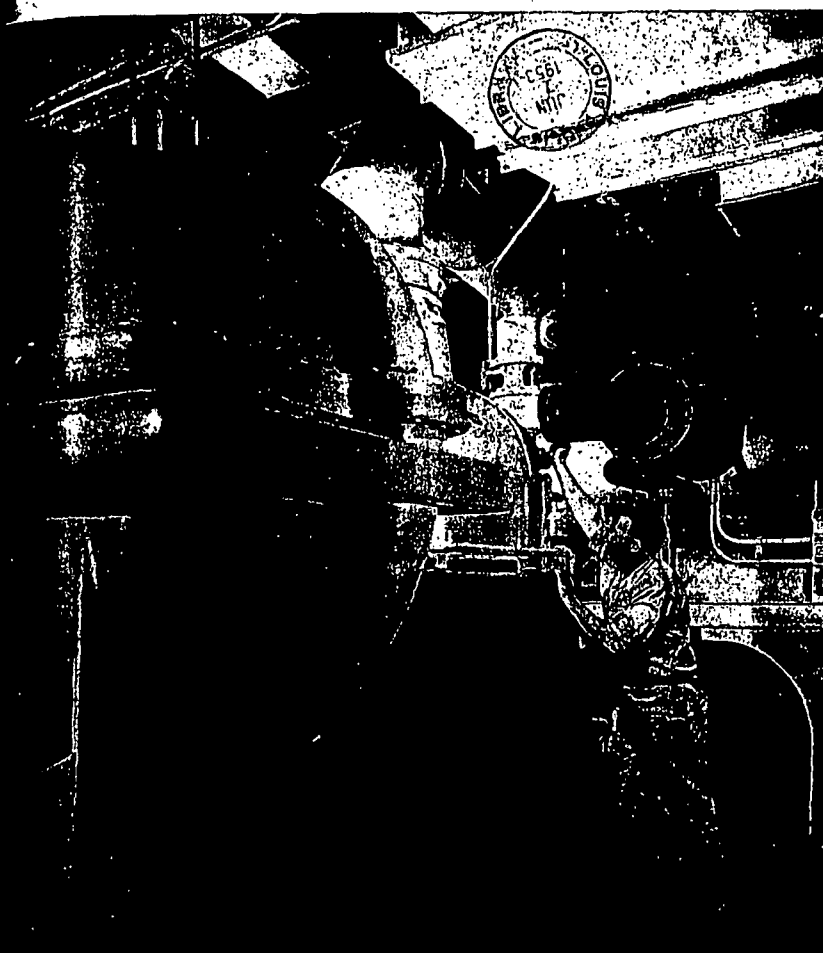
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# Power



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